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(54) Title: ANTIGEN RECEPTOR VARIABLE REGION TYPING

(57) **Abstract:** A method of typing a variable region of a specific variant of an antigen receptor chain is disclosed. The method comprises: (a) exposing a probe set to a sense or antisense strand of a polynucleotide encoding at least a portion of the variable region of the specific variant of the antigen receptor chain, wherein the probe set includes a plurality of probe molecules, wherein each probe molecule of the plurality of probe molecules is substantially complementary to a sense or antisense strand of a nucleic acid sequence region of a specific polynucleotide encoding a variant of the antigen receptor chain, the nucleic acid sequence region encoding a specific combination of at least two variable region segments of the antigen receptor chain; and (b) measuring a hybridization of each probe molecule of the plurality of probe molecules with the sense or antisense strand of the nucleic acid sequence region of the polynucleotide encoding at least a portion of the variable region of the specific variant of the antigen receptor chain, thereby typing the variable region of the specific variant of the antigen receptor chain.